

#### ABSTRACT OF THE DISCLOSURE

A control method for an automatic transmission is capable of quickly determining whether gear shifting is permissive. The control method varies the command value input to an engaging-side electromagnetic valve that adjusts a hydraulic pressure applied to a frictional element to be engaged in a target gear in a specific time period, then determines a time variation in another time period of the hydraulic pressure applied to the frictional element that is adjusted by the engaging-side electromagnetic valve according to the input command value and detected by a detecting means. Determination of whether gear shifting is permissive or not on the basis of the time variation is thus determined.